# This Page Is Inserted by IFW Operations and is not a part of the Official Record

#### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

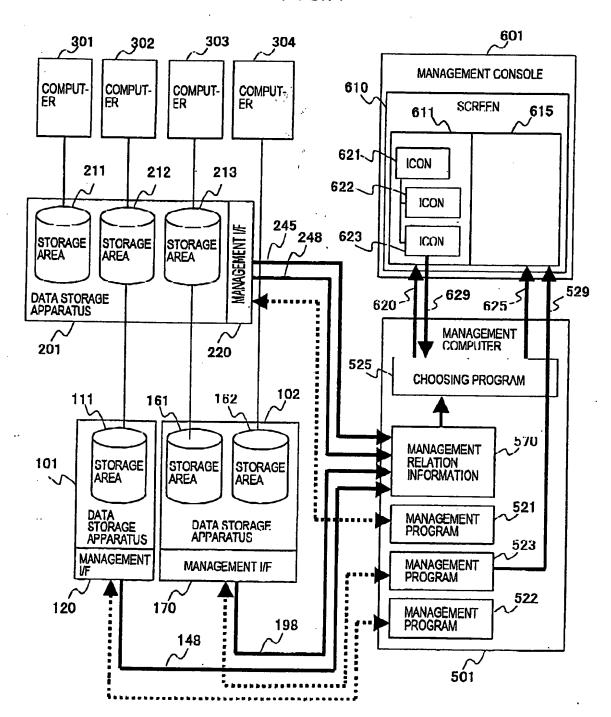
Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

#### IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

FIG.1



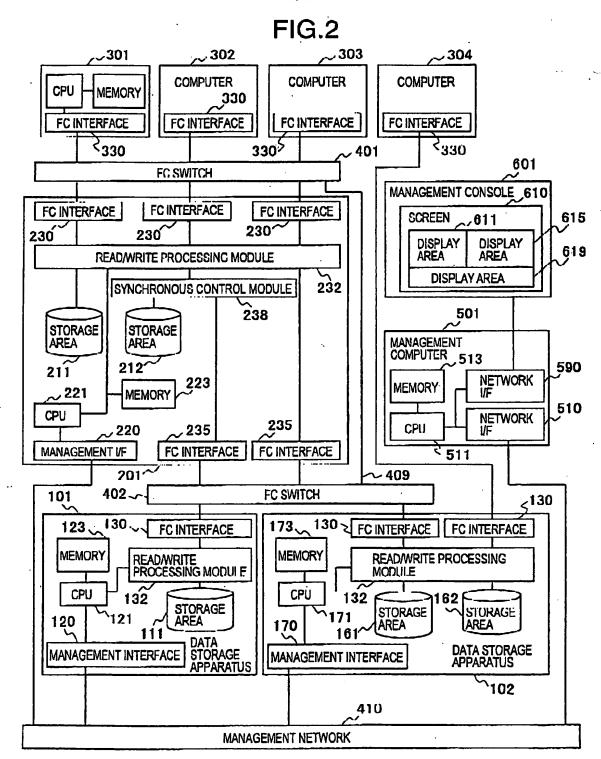
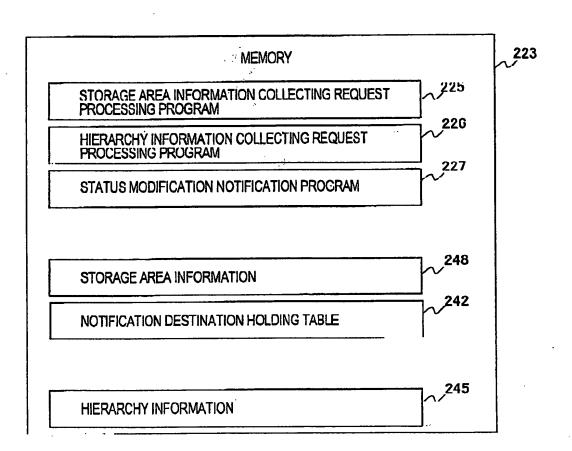


FIG.3



#### FIG.4A

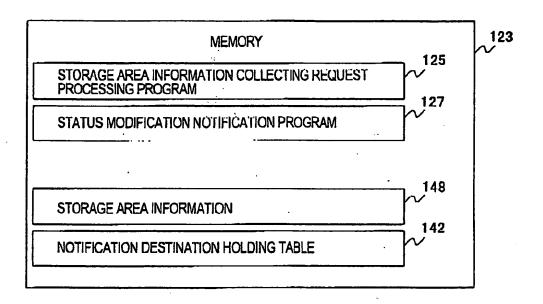


FIG.4B

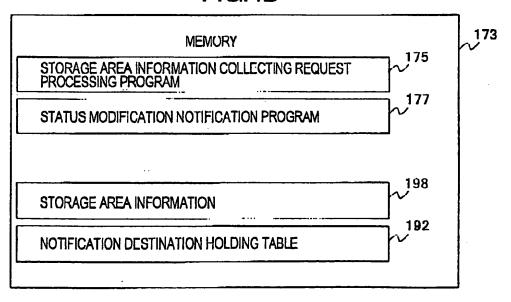


FIG.5

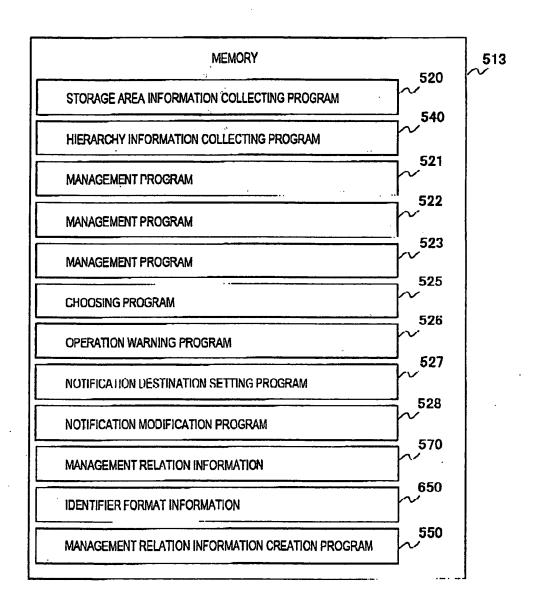
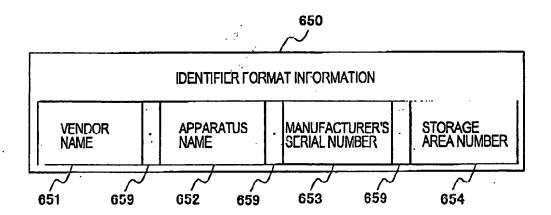


FIG.6



### FIG.7A

	248 a	248b	248 c	248	248	d
	TOTAL STORAGE AREA NUMBER	MANAGEMENT I/F IDENTIFICA- TION NUMBER	IDENTIFIER		CAPACITY	
			ABC. XX200. 0123. 2	211	100GB	
Į	3	220	ABC. XX200. 0123. 2	212	100GB	
			ABC. XX200. 0123. 2	213	100GB	

# FIG.7B

~ 148	a 148 t	148 c <u>148</u>	148d
TOTAL STORAGE AREA NUMBER	MANAGEMENT I/F IDENTIFICA- TION NUMBER	IDENTIFIER	CAPACITY
1	120	DEF. YY100. 0456. 111	100GB

### FIG.7C

/~ <sup>198</sup>	a 198b	198 c <u>198</u>	_ 198 d
TOTAL STORAGE AREA NUMBER	MANAGEMENT VF IDENTIFICA- TION NUMBER	IDENTIFIER	CAPACITY
	170	GHI. ZZ100. 0789. 161	100GB
2	170	GHJ. ZZ100. 0789. 162	100GB

FIG.8

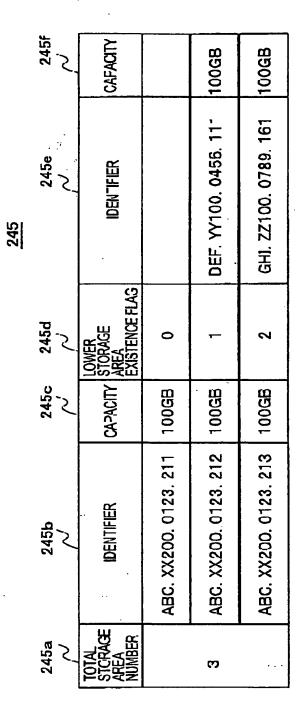


FIG.9

·	02d 5702e	√ SUT	IDENTIFIER	GHI . ZZ100 . 0789	DEF . YY100 . 0456
	5702c 5702d	E APPARA	ICON NUMBER	622	623
<u>570</u>	02a 5702b	R DATA ST	NANAGENIENT PROGRAN IDENT F CATION NUMBER	.522	523
. 2		$\sim 10$	MANAGEMENT IF ICENTIFICATION: NUMBER	120	170
5702		ζ_	ICCN	101	102
		5701d 570 S	DENTIFIER	ABC	. 0123
	5701c	APPARATU)	ICON NUMBER	¥00	0.21
,		UPPER JATA STORAGE APPARATUS	NANAGENENT FROSRAM IDENTIFICATION NUMBER	Č	726
11	5701a 5701b /	5701a 5701b	MANAGEMENT I/F IDENTIFICATION NUMBER	220	
5701			DATA STCRAGE AREA NUVI- BER	Č	702

#### **FIG.10**

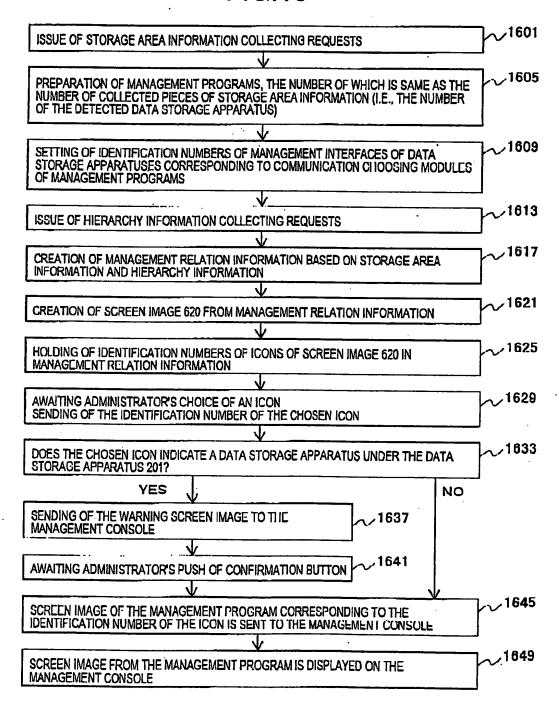
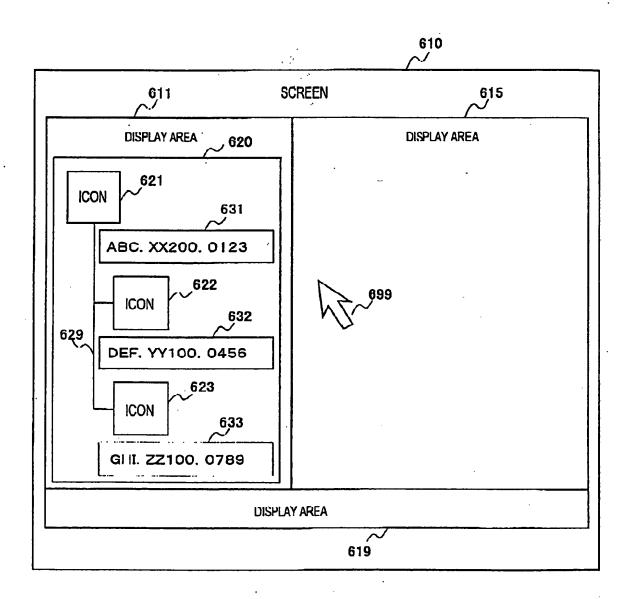
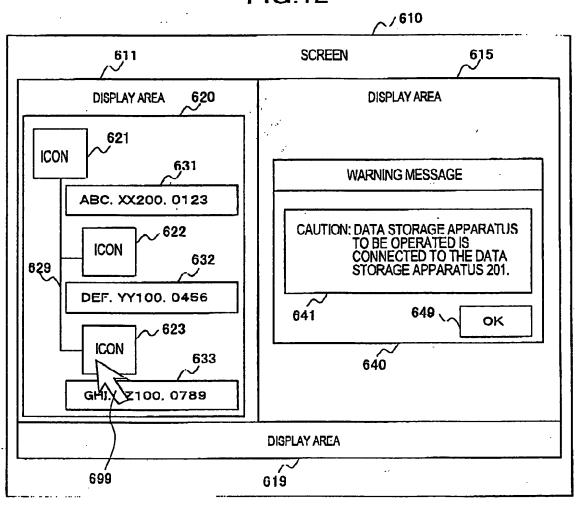


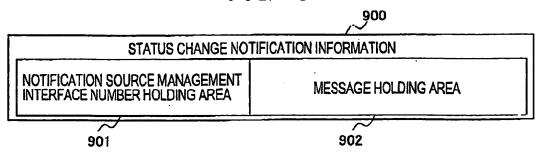
FIG.11



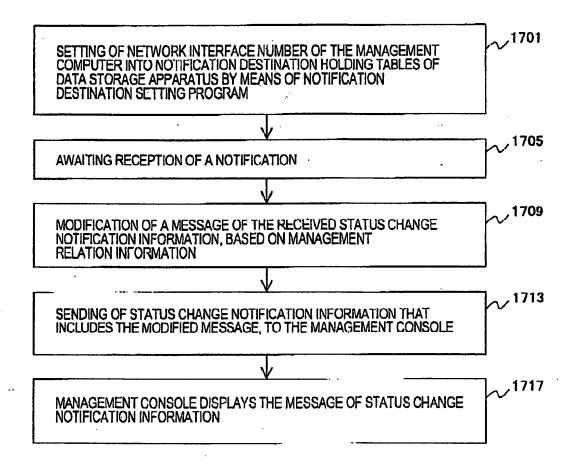
**FIG.12** 



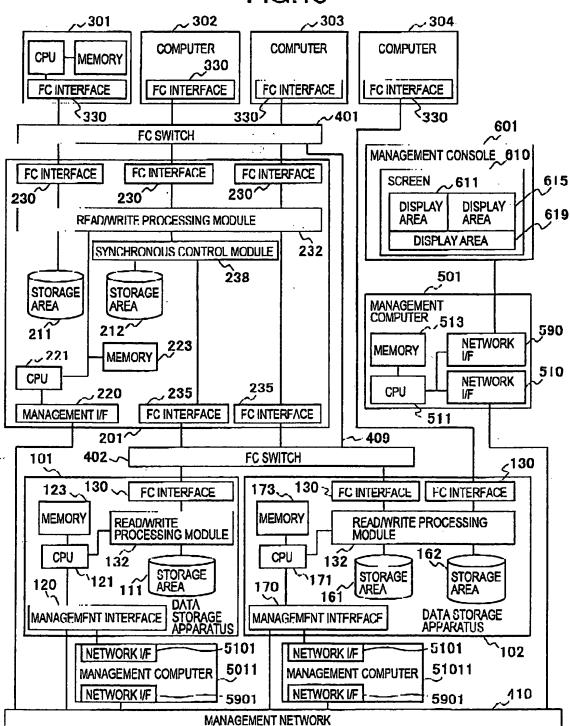
**FIG.13** 



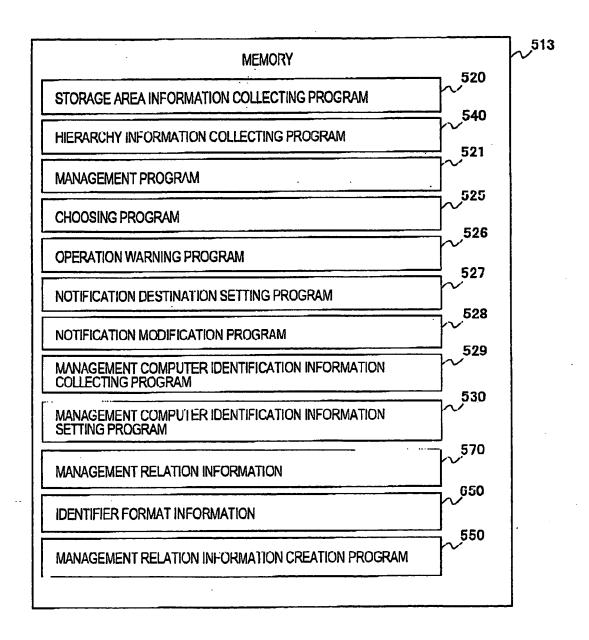
**FIG.14** 



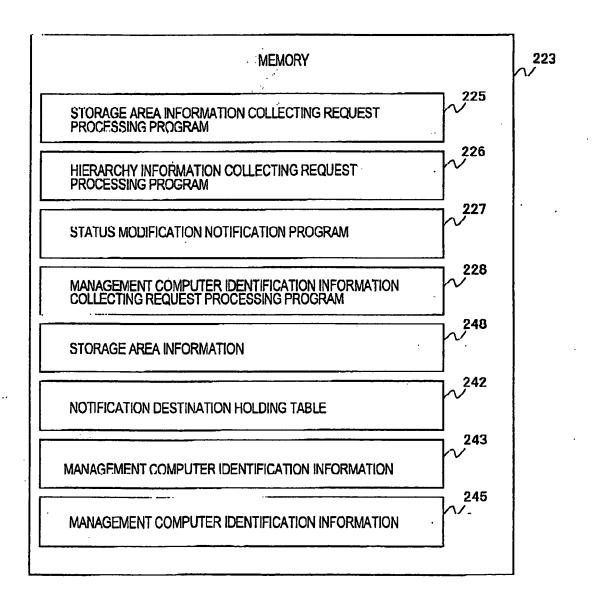
**FIG.15** 



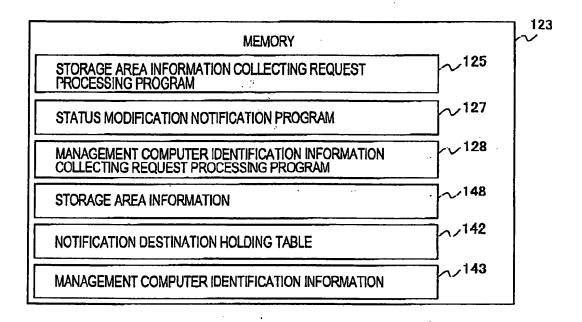
**FIG.16** 



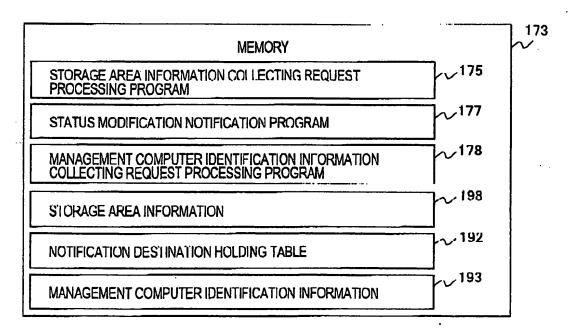
**FIG.17** 



#### FIG.18A



**FIG.18B** 



# FIG.19A

•			
		243	
243a	243b	243c	
FIRST NETWORK INTERFACE NUMBER	SECOND NETWORK INTERFACE NUMBER	MANAGEMENT PROGRAM NUMBER	
0	. 0	0	
·	FIG.19B		
•		143	
1439	143b	143c	
FIRST NETWORK INTERFACE NUMBER	SECOND NETWORK INTERFACE NUMBER	MANAGEMENT PROGRAM NUMBER	
5101	5901	522	
	FIG.19C	•	
		93	
193a 	193b	1930	
FIRST NETWORK INTERFACE NUMBER	SECOND NETWORK INTERFACE NUMBER	MANAGEMENT PROGRAM NUMBER	
5102	5902	523	
••	FIG.19D		
	-	<u> 243</u>	
<b>243</b> a ~	243b	243c	
FIRST NETWORK INTERFACE NUMBER	SECOND NETWORK INTERFACE NUMBER	MANAGEMENT PROGRAM NUMBER	

# FIG.20

	1001
ISSUE OF STORAGE AREA INFORMATION COLLECTING REQUESTS	1801
V	12 1803
ISSUE OF MANAGEMENT COMPUTER IDENTIFICATION INFORMATION COLLECTING REQUESTS	1000
· V	
PREPARATION OF MANAGEMENT PROGRAMS, THE NUMBER OF WHICH IS SAME AS THE NUMBER OF COLLECTED PIECES OF STORAGE AREA INFORMATION MINUS THE NUMBER OF DATA STORAGE APPARATUSES THAT HAVE NOT MANAGEMENT COMPUTERS	1805
V	1809
SETTING OF IDENTIFICATION NUMBERS OF MANAGEMENT INTERFACES OF DATA STORAGE APPARATUSES CORRESPONDING TO COMMUNICATION CHOOSING MODULES OF MANAGEMENT PROGRAMS	
V	W 1811
UPDATE OF MANAGEMENT COMPUTER IDENTIFICATION INFORMATION	
V	1813
ISSUE OF HIERARCHY INFORMATION COLLECTING REQUESTS	
V	1817
CREATION OF MANAGEMENT RELATION INFORMATION BASED ON STORAGE AREA INFORMATION AND HIERARCHY INFORMATION	
V	1821
CREATION OF SCREEN IMAGE 620 FROM MANAGEMENT RELATION INFORMATION	
· <u>V</u>	1825 _ בר
HOLDING OF IDENTIFICATION NUMBERS OF ICONS OF SCREEN IMAGE 620 IN MANAGEMENT RELATION INFORMATION	
V	1829س
AWAITING ADMINISTRATOR'S CHOICE OF AN ICON SENDING OF THE IDENTIFICATION NUMBER OF THE CHOSEN ICON	
DOCC THE CHOCKNICON INDICATE A DATA STORAGE ARRADATION LINDER THE	7~/1833
DOES THE CHOSEN ICON INDICATE A DATA STORAGE APPARATUS UNDER THE DATA STORAGE APPARATUS 201?	j
YES , NO	
SENDING OF THE WARNING SCREEN IMAGE TO THE MANAGEMENT CONSOLE	•
AWAITING ADMINISTRATOR'S PUSH OF CONFIRMATION BUTTON	
	1845
SCREEN IMAGE OF THE MANAGEMENT PROGRAM CORRESPONDING TO THE IDENTIFICATION NUMBER OF THE ICON IS SENT TO THE MANAGEMENT CONSOLE	
·	- 7~
SCREEN IMAGE FROM THE MANAGEMENT PROGRAM IS DISPLAYED ON THE MANAGEMENT CONSOLF	1048

FIG. 2.

580

CASSILLE STATE OF THE STATE OF

5802e 5802f MANAGE-MENT DEVICE NUMBER 5802 5901 . vy100 . ZZ100 DENTIFIER . 0789 DEF GHI LOWER DATA STORAGE APPARATUS 5802d ICON NUMBER 622 623 5802c MANAGE-MENT PRCGRAM IDENTIFICA-TION NUMBER 523 522 / 5802a 5802b IDENTIFA-CATION MUMBER MANAGE-MENT IF 5902 5901 CATA STORAGE AREA NUMBER 5802 102 5 5801f /~ MANAGE-NENT CEVICE NUMBER 220 5801e MANAGEMENT ICON ICON IDENTIFIER IDENTIFICATION NUMBER IDENTIFICATION NUMBER . xx200 0123 ABC 5801c 5801d UPPER DATA STOPRAGE AP SARATUS 521 521 5801b IDENT-F CA. TION NUMBER 220 5801a 5801 DATA STORAGE AREA NJMBER 201